

## Patent Abstracts of Japan

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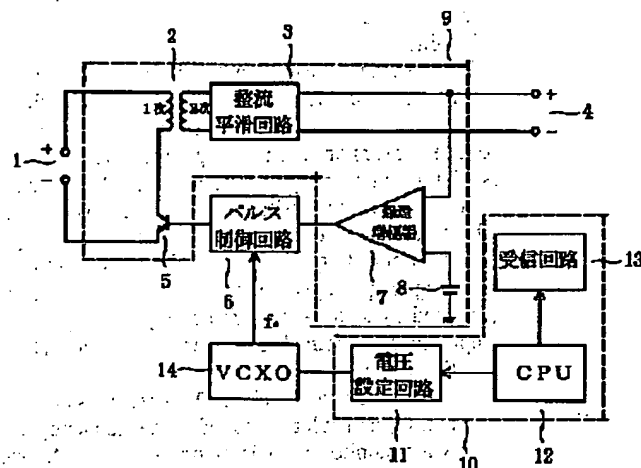
APPLICATION NUMBER : 10162758

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INVENTOR : KUSUHARA KAZUHIRO;

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TITLE : SWITCHING POWER SUPPLY



**ABSTRACT :** PROBLEM TO BE SOLVED: To avoid reception interference without using a sophisticated shielding means, in the case where the interference is caused by the harmonic wave of a switching frequency which happens to become identical with the receiving frequency of a receiver.

**SOLUTION:** A voltage-controlled crystal oscillator circuit 14 is used to determine the frequency of a switching power supply. The control voltage of this crystal oscillator circuit 14 is controlled by a CPU 12 which determines the receiving frequency of a receiver 10. The CPU 12 controls the oscillating frequency of the crystal oscillator circuit 14 via a voltage setting circuit 11 in such a way that the harmonic wave frequency of the switching frequency does not become identical with the receiving frequency of the receiver 10.

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